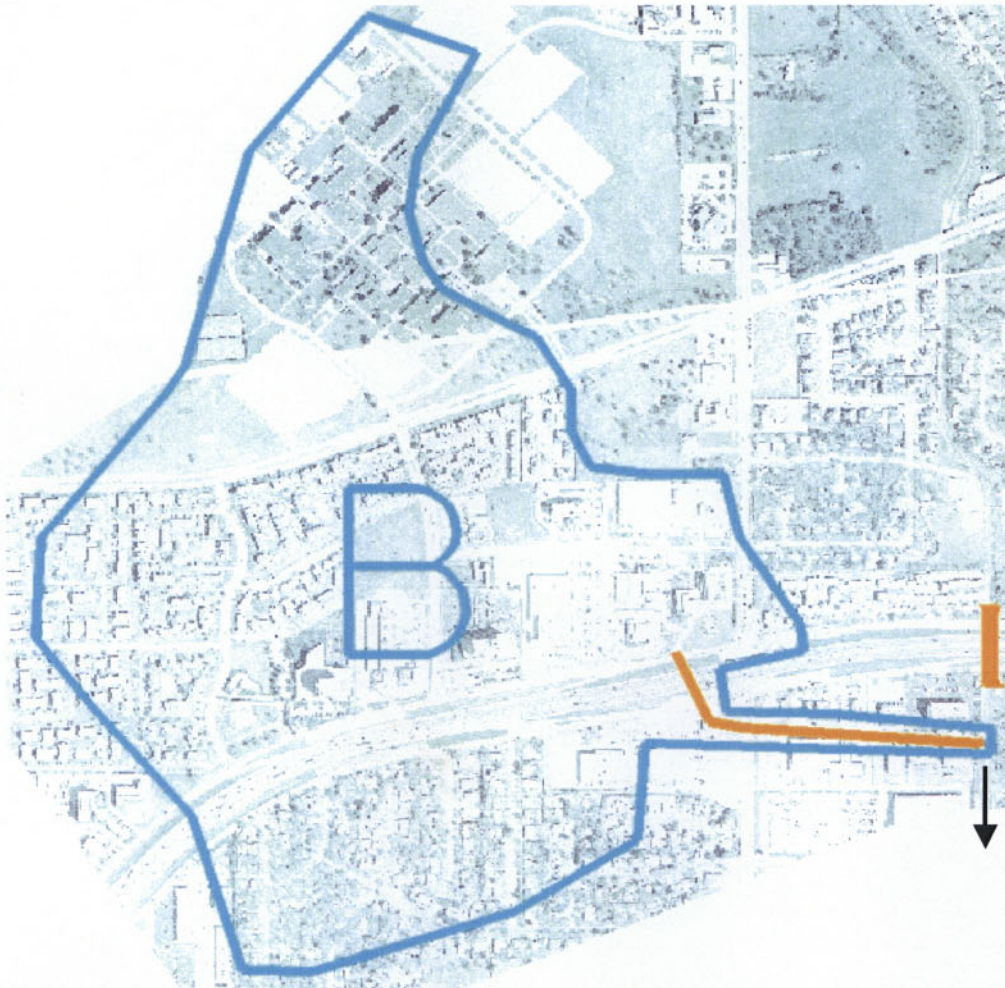


Runoff Calculations  
Drainage Area - B

Culvert Location: West of Precinct Line Road  
City: Hurst

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
B	STA 62+40 SH183	350	25	730	902	1036	1188

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutter	Channel Rectification	
UPPER	3	3	1	7
MIDDLE	4	4	1	9
LOWER	4	4	1	9
URBANIZATION INDEX				25



Runoff Calculations  
Drainage Area - C

Culvert Location: East of Precinct Line Road  
City: Hurst

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
C	STA 77+18 SH183	1455	23	1964	2473	2880	3325

UI COMPUTATIONS				
SUBAREA	FACTORS			TOTAL
	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	3	3	1	7
MIDDLE	3	3	1	7
LOWER	4	4	1	9
URBANIZATION INDEX				23



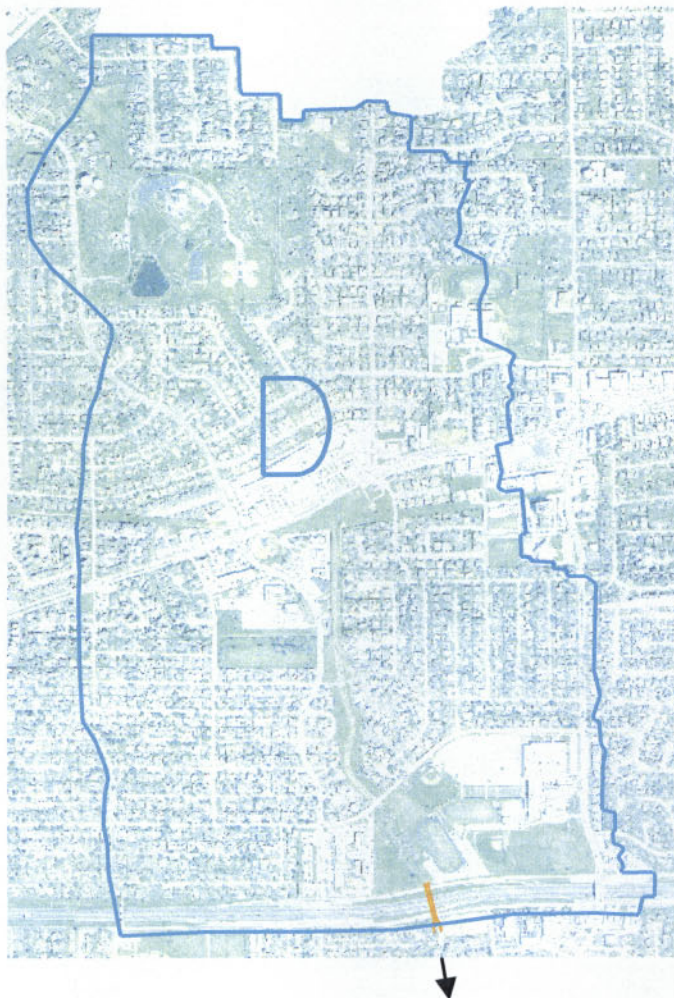


Runoff Calculations  
Drainage Area - D

Culvert Location: East of Norwood Drive  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	Acres		(cfs)	(cfs)	(cfs)	(cfs)
D	STA 132+26 SH183	803	25	1345	1674	1934	2219

UI COMPUTATIONS				
SUBAREA	FACTORS			TOTAL
	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	3	3	1	7
MIDDLE	4	4	1	9
LOWER	4	4	1	9
URBANIZATION INDEX				25

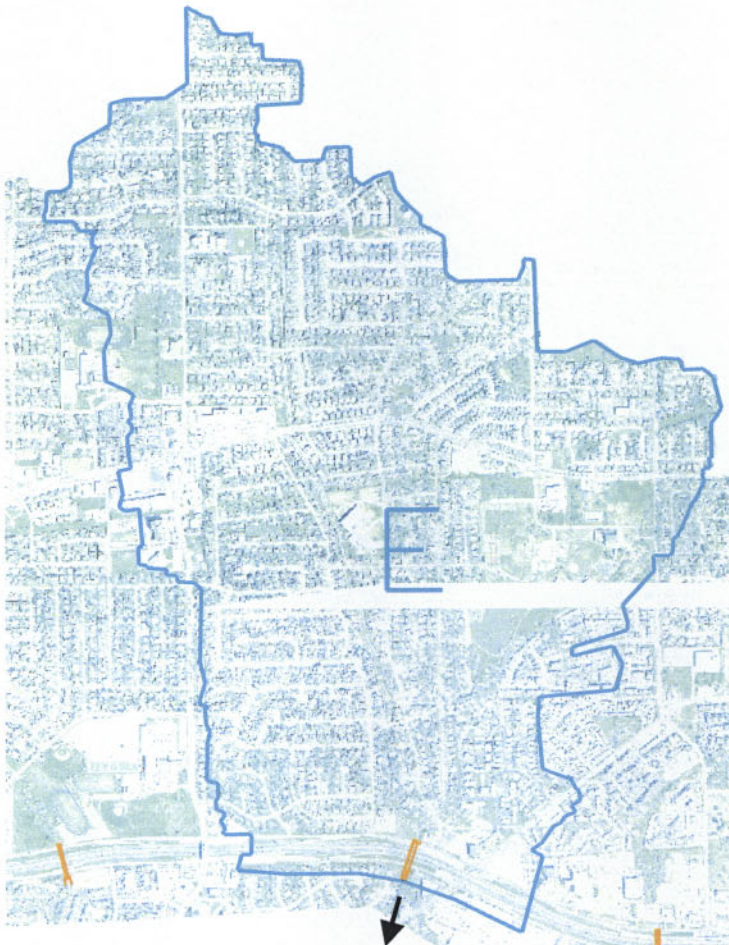


Runoff Calculations  
Drainage Area - E

Culvert Location: West of Bedford Euless Road  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
E	STA 170+05 SH183	1000	26	1624	2021	2334	2670

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	1	9
MIDDLE	3	4	1	8
LOWER	4	4	1	9
URBANIZATION INDEX				26



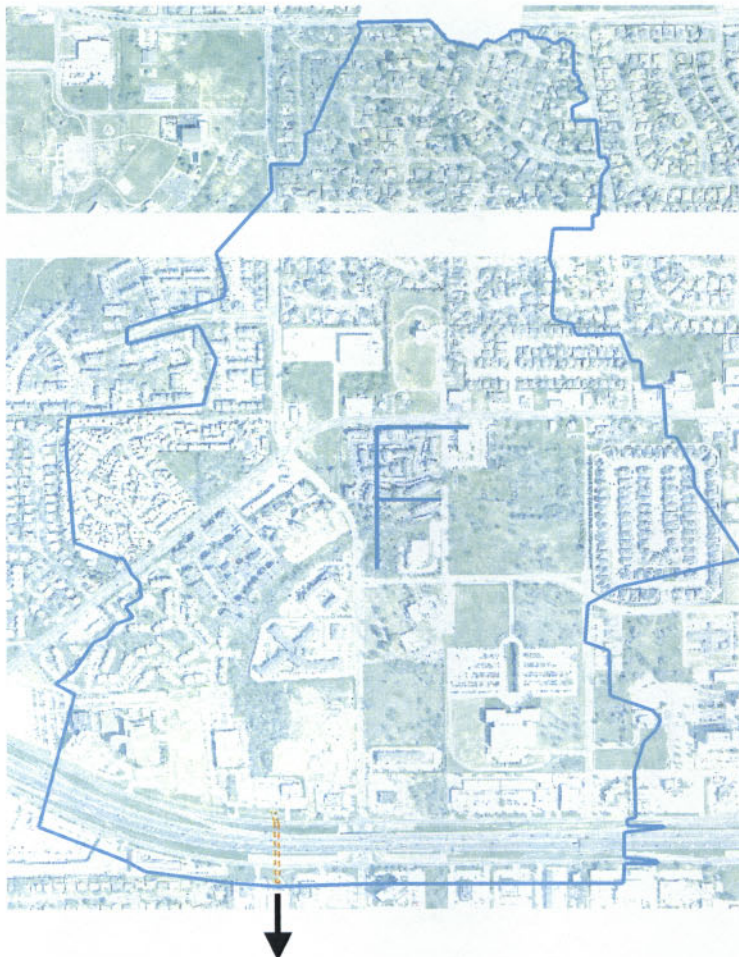


Runoff Calculations  
**Drainage Area - F**

Culvert Location: West of Forest Ridge  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
F	STA 198+75 SH183	358	25	743	917	1054	1209

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	1	9
MIDDLE	3	3	1	7
LOWER	4	4	1	9
URBANIZATION INDEX				25

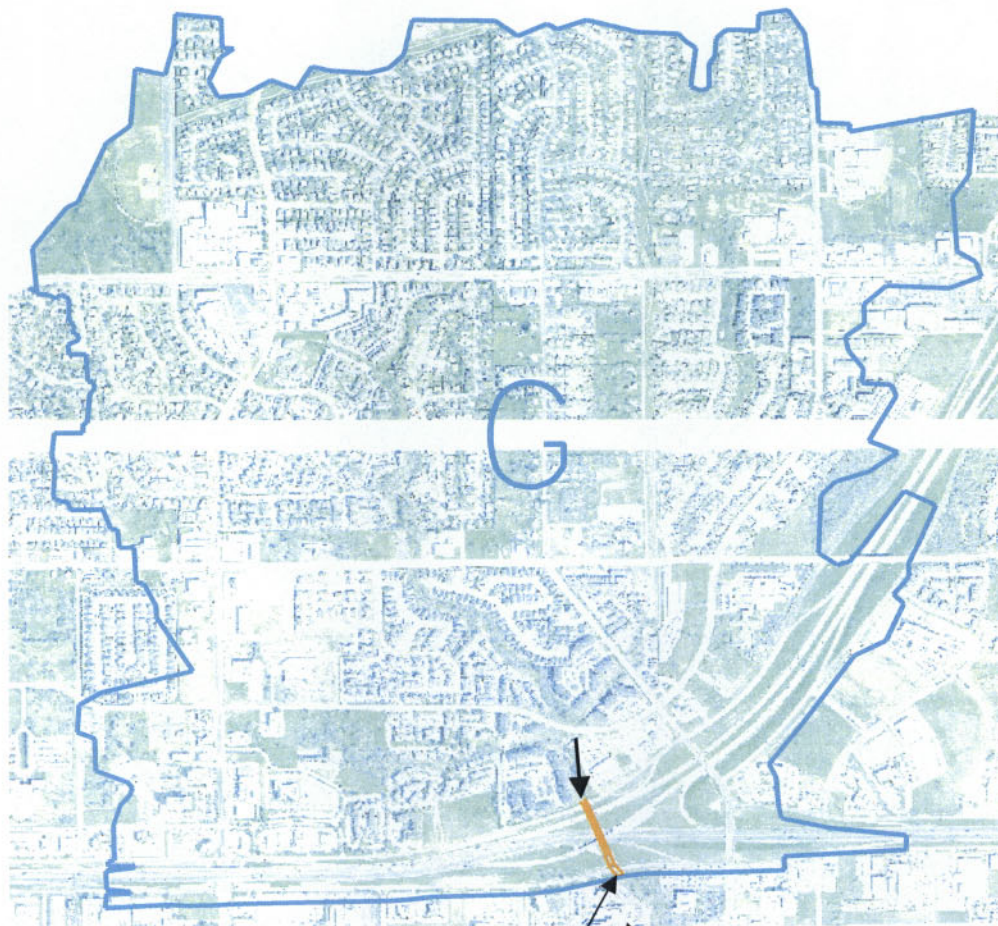


Runoff Calculations  
Drainage Areas - G, G1

Culvert Location: West of Murphy Road  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
G-1	STA 262+28 SH183	1149	26	1798	2241	2591	2963
G	STA 262+28 SH183	1174	26	1827	2277	2634	3012

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	1	9
MIDDLE	3	4	1	8
LOWER	4	4	1	9
URBANIZATION INDEX				26



Point of Study, G1

Point of Study, G



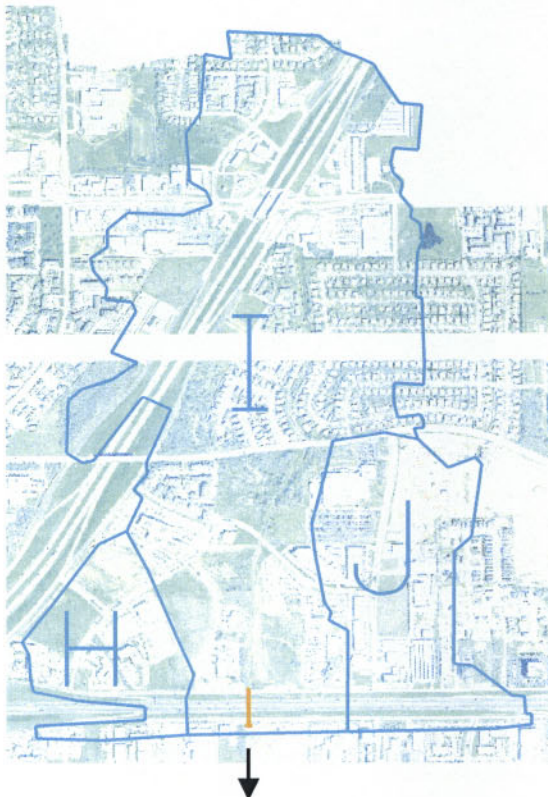
Runoff Calculations  
Drainage Areas - H, I, J

Culvert Location: West of FM 157  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
I	STA 297+66 SH183	368	24	737	912	1050	1208

DRAINAGE AREA		AREA	C	T <sub>c</sub>	I <sub>50</sub>	I <sub>100</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(min)	(in/hr)	(in/hr)	(cfs)	(cfs)
H	STA 289+42 SH183	58	0.75	35.9	5.3	5.8	232	254
J	STA 309+22 SH183	90	0.75	60	3.8	4.2	258	281

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	3	4	1	8
MIDDLE	3	4	1	8
LOWER	3	4	1	8
URBANIZATION INDEX				24



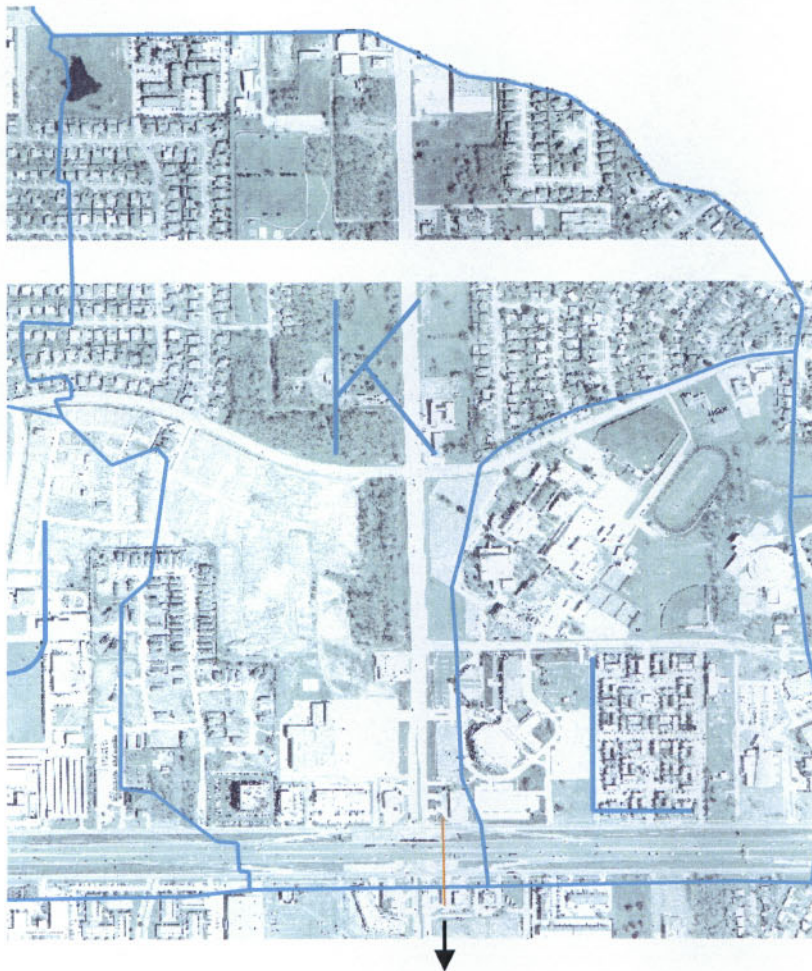
Note: Cyclone Branch  
(Tributary of HC-1 of Hurricane Creek)

Runoff Calculations  
Drainage Area - K

Culvert Location: East of FM 157  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
K	STA 337+48 SH183	222	30	594	721	819	926

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	2	10
MIDDLE	4	4	2	10
LOWER	4	4	2	10
URBANIZATION INDEX				30





Runoff Calculations  
Drainage Area - L

Culvert Location: East of FM 157  
City: Bedford

DRAINAGE AREA			UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
L	STA 350+70 SH183	72	30	259	312	351	397

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	2	10
MIDDLE	4	4	2	10
LOWER	4	4	2	10
URBANIZATION INDEX				30

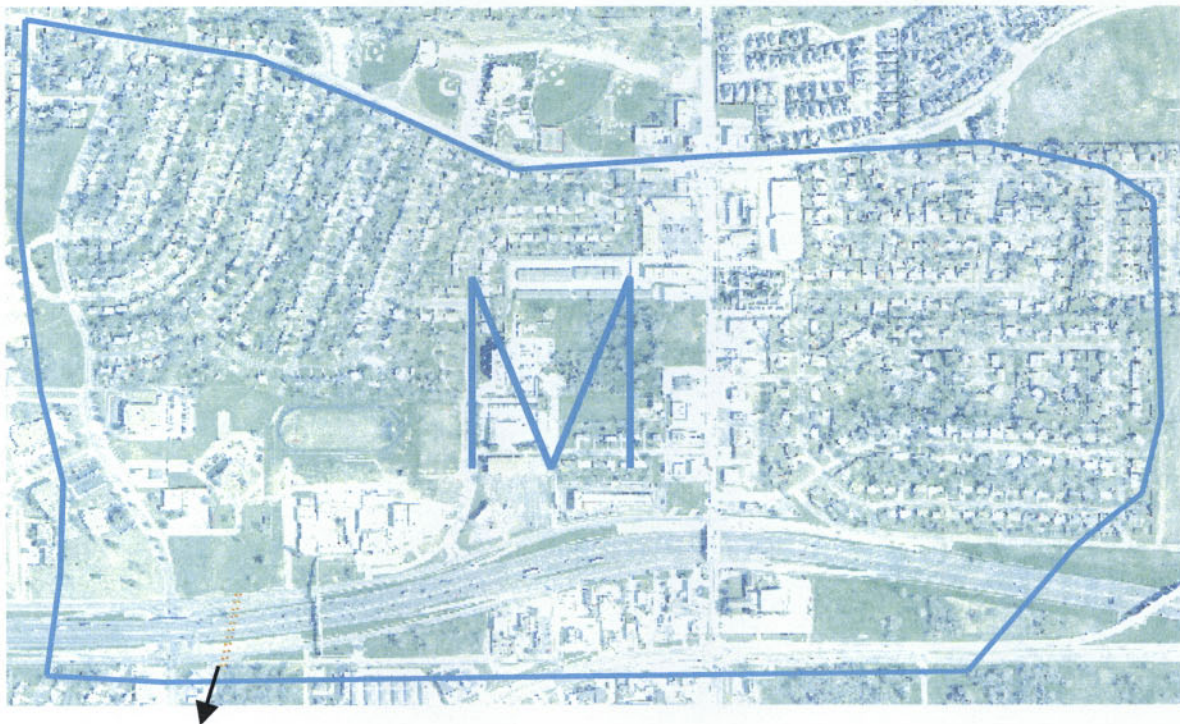


Runoff Calculations  
Drainage Area - M

Culvert Location: West Ector Road  
City: Bedford

DRAINAGE AREA		AREA	UI	Q <sub>10</sub>	Q <sub>25</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(cfs)	(cfs)	(cfs)	(cfs)
M	STA 365+00 SH183	100	26	299	363	413	473

	UI COMPUTATIONS			
	FACTORS			TOTAL
SUBAREA	Storm Sewers	Curb and Gutters	Channel Rectification	
UPPER	4	4	1	9
MIDDLE	3	4	1	8
LOWER	4	4	1	9
URBANIZATION INDEX				26





Runoff Calculations  
Drainage Area - N

Culvert Location: East of Eules Main Street  
City: Eules

DRAINAGE AREA		AREA	C	T <sub>c</sub>	I <sub>50</sub>	I <sub>100</sub>	Q <sub>50</sub>	Q <sub>100</sub>
ID	LOCATION	(acres)		(min)	(in/hr)	(in/hr)	(cfs)	(cfs)
N	STA 396+75 SH183	64	0.7	47.8	4.4	4.8	199	217

